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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

CONSTRUCTION STATUS OF THE TAN-ZAM (GREAT UHURU) RAILROAD

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OCTOBER 1973

COPY NO. 22

7 PAGES

PIR-048/73

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CONSTRUCTION STATUS OF THE TAN-ZAM (GREAT UHURU) RAILROAD

1. This report describes the construction status of the Tan-Zam Railroad in both Tanzania and Zambia (Figure 1) based on photography [] and updates a previous published status report [] that was derived from photography []. The report contains a location map, tables, and four annotated photographs.

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Tanzania

2. [] shows the completion of the 166-nautical-mile (191-statute-mil) segment from Makumbako, in the southern highlands, to Tunduma, on the border with Zambia (Figure 2). The entire Tanzanian portion of the rail line from Dar Es Salaam to the Zambian border, a distance of 466 nautical miles (nm) (536 statute miles), is, therefore, complete and operational. Table 1 provides a partial list of support facilities along the Makumbako-to-Tunduma segment and the location of these facilities.

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Zambia

3. The bulk of the Zambian portion of the railroad--492 nm (566 statute miles)--consists of graded roadbed or cleared survey lines. The laying of track within Zambia is apparently in the initial stage. [] a mechanical track-laying device (Figure 3) was on the grade approaching a bridge that crosses the Nakonde River approximately 2 nm west of the Tanzanian border. Possible track was observed in place for approximately 15 nm west of this point.

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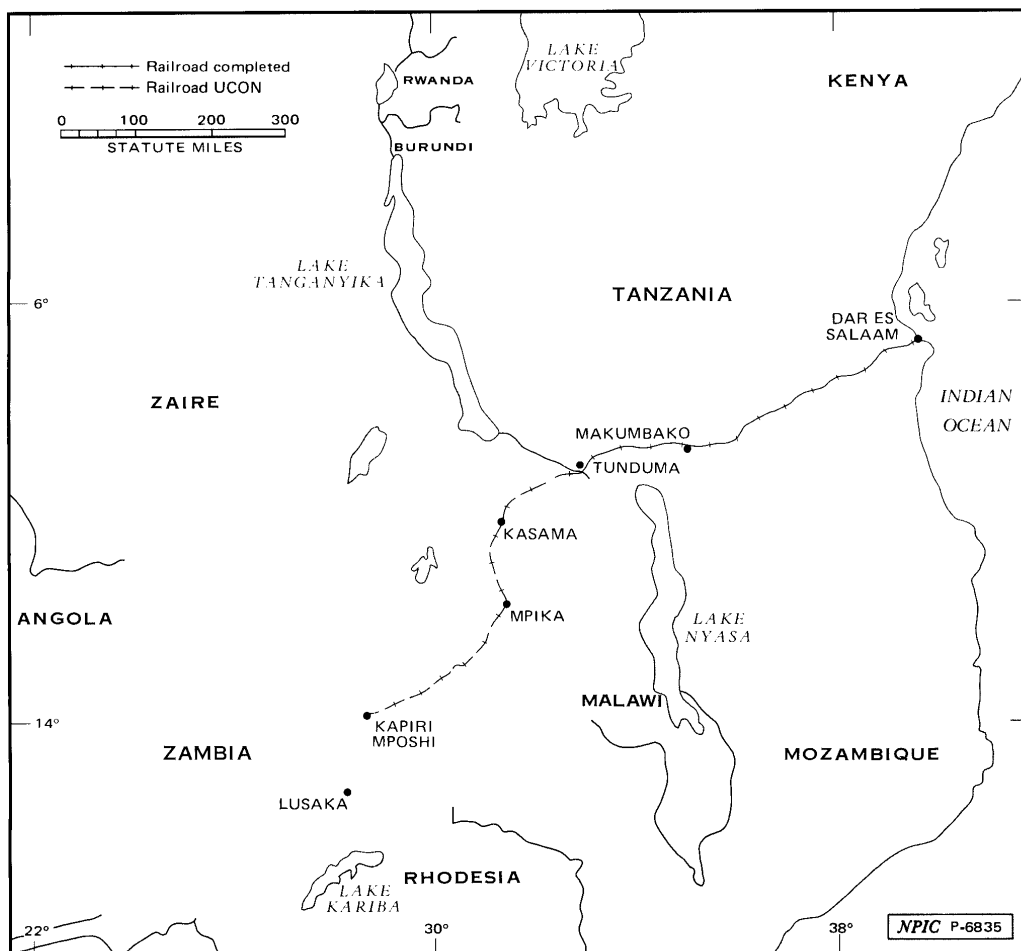


FIGURE 1. TAN-ZAM RAILROAD

4. For the purposes of this report the Zambian portion of the rail line has been divided into the segments listed below. A summary of the progress on each segment follows.

	<u>Track</u>	<u>Roadbed</u>	<u>Survey</u>	<u>Total Distance</u>
Tunduma-Kasama	17 nm	101 nm	14 nm	140 nm*
Kasama-Mpika	None	55 nm	57 nm	112 nm
Mpika-Kapiri Mposhi	None	None	240 nm	240 nm
			Total-	492 nm

*No photo coverage for a distance of 8 nm.

Tunduma-Kasama

5. In addition to the track already in place, most of this segment consists of completed roadbed. A classification yard is under construction just west of the village of Mwenzo, approximately 5 nm west of the Tanzanian border.

Kasama-Mpika

6. Approximately 50 percent of this segment consists of completed roadbed. The largest bridge within Zambia is under construction on the Chambeshi River at 09-47-15S 031-40-50E (Figure 4). The major locomotive and rolling stock repair facility for the rail line in Zambia is also under construction just west of Mpika (Figure 5).

Mpika-Kapiri Mposhi

7. The longest segment within Zambia consists only of the initial survey line, the initial grading of roadbed, and the emplacement of culverts. The rail line closely parallels the completed all-weather Tan-Zam highway to Kapiri Mposhi, where it will join the existing Zambian rail system. Virtually no work has been done on permanent support facilities along this segment.

8. Table 2 lists some of the support facilities under construction in Zambia, and their locations. Table 3 is a partial list of bridges under construction in Zambia, and the rivers they cross.

*Table 1. Partial List of Rail Support Facilities
From Makumbako (Tanzania) to Tunduma (Tanzania)*

<u>Location</u>	<u>Description</u>
1. 08-50-20S 034-49-30E (Makumbako)	At least 4-track siding, passenger and freight stations
2. 08-44-15S 034-22-00E (south of Rujewa)	Multitrack general purpose railyard and construction support camp
3. 08-51-20S 034-01-30E (Chimala)	3-track siding and passenger station
4. 08-56-10S 033-26-10E (Mbeya)	At least 10-track siding, turning wye, passenger and freight stations, probable engine and rolling stock repair facility
5. 09-02-20S 032-58-00E	4-track siding
6. 09-05-40S 032-51-20E (north of Vwawa)	3-track siding, passenger and freight stations
7. 09-14-34S 032-51-46E	Single spur, gravel pit, and general support

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*Table 2. Partial List of Rail Support Facilities
From Zambian-Tanzanian Border to Mpika*

<u>Location</u>	<u>Description</u>
1. 09-18-50S 032-45-30E	4-track siding
2. 09-19-40S 032-40-50E (west of Mwenzo)	At least 6-track classification yard under construction and general support camp
3. 09-23-40S 032-15-40E	Station and probable general purpose yard, under construction
4. 09-27-30S 032-00-50E (east of Kayabi)	Probable station and multirail siding, under construction
5. 11-50-30S 031-28-40E (west of Mpika)	Large general purpose yard, locomotive and rolling stock repair facilities, and freight station, under construction

Table 3. Partial List of Bridges in Zambia

<u>Location</u>	<u>River Crossed</u>
1. 09-23-30S 032-15-50E	Chози
2. 09-40-10S 031-52-30E	Mifunsu
3. 09-43-05S 031-47-30E	Lembo
4. 09-47-15S 031-40-50E	Chambeshi
5. 10-55-00S 031-04-30E	Chambeshi
6. 12-02-20S 031-16-40E	Tributary of Mufubushi

REFERENCES

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